

IEEE Power & Energy Society  
Switchgear Committee  
C37.20.1 Working Group Report  
30-April-2013

The working group met on Tuesday, April 30, at 2:07PM.

Patents:

Those registered had to acknowledge the IEEE-SA rules on Patents, and therefore, review in this meeting is not required. The participants were reminded that anti-competitive issues are never allowed for discussions.

General:

The PAR for this project was approved by the IEEE-SA Standards Board on December 5, 2012, and is valid through 2016.

Members introduced themselves, identified their company and their affiliation. Total attendance was 56 persons.

Attendance included 45 working group members (of 45, with 0 absent and 0 excused), plus 11 guests. Attendance is as shown below:

Members / Affiliation	Members / Affiliation	Members / Affiliation	Observers / Affiliation
P. Barnhart (P) - UL	J. Hanson (P) - Schneider	O. Parks (P) – ABB	S. Benson (P) – Volta LLC
J. Bowen (P) - Aramco	T. Hawkins (P) - Siemens	R. Parthasarathi (P) -Bechtel	C. Carne (P) - Schneider
T. Burse (P) - Powell	D. Hrcir (P) – Eaton	M. Parvin (P) – Chicago Bridge & Iron	T. Esco (P) – Eaton
M. Cannady (P) – Southern Company Services	D. Jackson (P) - ABB	E. Peters (P) – Powell	T. Faber (P) - Schneider
D. Dunne (P) - Schneider	A. Jivanani (P) - GE	R. Puckett (P) – retired	J. Oemisch (P) – Siemens
D. Edwards (P) - Siemens	H. Josten (P) - Siemens	S. Reddy (P) – Powell	R. Pawar (P) - ABB
M. Flack (P) – Southern Nuclear	C. Kennedy (P) - Schneider	R. Rohr (P) - Powell	E. Spiewak (P) – IEEE-SA
K. Flowers (P) – Siemens	M. Lafond (P) - GE	A. Rowell (P) - Eaton	K. Starcevic (P) – KEMA
S. Flores (P) - Schneider	A. Livshitz (P) – Schneider	C. Schneider (P) – Schneider	R. Warren (P) – KEMA
B. Gerzeny (P) – Powell	F. Mayle (P) - Technibus	M. Seabrook (P) – GE	D. Riffe (P) - Westinghouse
L. Grahor (P) – Eaton	J. McClelland (P) – Technibus	J. Shullaw (P) – GE	D. Yek (P) – PG&E
P. Grein (P) – Circuit Breaker Sales	J. Mizener (P) - Siemens	M. Sigmon (P) - Eaton	
D. Groves (P) – PACS Industries	D. Mohla (P) – DCM Technical Consulting	P. Sullivan (P) - DuPont	
	D. Moser (P) - ABB	R. Tanner (P) - Schneider	
	T. Olsen (P) - Siemens	L. Yonce (P) - Eaton	
	M Orosz (P) – Schneider		

This is our first meeting, and therefore there were no prior minutes to approve.

Volunteers were requested to concentrate on particular sections of the document. Assignments were made as follows:

- Section 1: Scope – unless flawed, not subject to change
- Section 2: Normative references - editorial
- Section 3: Definitions - editorial
- Section 4: Service conditions – T. Burse
- Section 5: Ratings – C. Kennedy, C. Schneider, F. Mayle, D. Edwards, K. Flowers, M. Lafond, A. Rowell
- Section 6: Tests – T. Olsen, T. Burse, L. Yonce, H. Josten, D. Hrcir, T. Hawkins, M. Seabrook, D. Groves, A. Jivanani, M. Sigmon, B. Gerzeny
- Section 7: Construction – T. Hawkins, C. Kennedy, H. Josten, M. Sigmon, B. Gerzeny, R. Rohr, D. Jackson, P. Sullivan, A. Livshitz

- Section 8: Application – D. Hrncir, J. Bowen, R. Parthasarathi, A. Livshitz, J. Hansen, J. Mizener, M. Parvin
- Section 9: Guide for Handling - T. Hawkins, J. Mizener, J. Bowen, L. Yonce

It was moved by K. Flowers that we keep section organization approximately as at present, but take care to differentiate common, ac, general dc, and traction dc requirements (as necessary), in subclauses. Seconded by D. Hrncir. The motion passed unanimously.

J. Bowen suggested that insulated bus should be made a requirement of this standard. A variety of views were expressed about the reduction in the likelihood of arc faults, ease of maintenance, infrared imaging, insulation of connections, etc. In addition, insulation on dc equipment (yes or no) must be considered. This should be considered by the section 7 team, and also the addition of minimum requirements in those situations in which bus insulation is provided.

We need to increase the voltage to 1000 Vac to match the circuit breakers in C37.13, et al. It is noted that the PAR is already set up to accommodate this.

Recognition of 4-pole circuit breaker usage should also be included.

The meeting adjourned at 3:15 PM.

Report submitted by: T. A. Burse, WG Chair